Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/21/2020 10:17 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124949	-1	2.06	125139	2.06
Blue	F	SSC	125000	121454	-3	1.65	122199	1.65
Blue	E	FITC	15892	15411	-4	2.72	335	20.54
Blue	D	PE	29999	29562	-2	1.90	643	15.06
Blue	B	PerCP-Cy5-5	43732	43527	-1	3.68	1171	20.48
Blue	A	PE-Cy7	30845	30784	-1	6.13	585	42.31
Red	C	APC	46112	44904	-3	2.42	1584	12.00
Red	A	APC-Cy7	30458	30148	-2	2.33	797	12.04
Violet	B	V450	7918	7547	-5	4.19	427	12.65
Violet	A	V500	32171	30774	-5	3.95	718	10.25

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17509	11.14	629	8	N/A	N/A	Pass
Blue	F	SSC	55908	1.16	565	6	N/A	N/A	Pass
Blue	E	FITC	60	67.07	546	3	0.0195	171	Pass
Blue	D	PE	135	51.01	553	5	0.1573	279	Pass
Blue	B	PerCP-Cy5-5	214	51.09	660	4	0.0090	82	Pass
Blue	A	PE-Cy7	110	105.34	703	5	0.0102	20	Pass
Red	C	APC	377	25.42	587	3	0.0254	193	Pass
Red	A	APC-Cy7	176	29.25	560	4	0.0055	1145	Pass
Violet	B	V450	65	57.53	461	3	0.0562	2057	Pass
Violet	A	V500	107	35.04	477	3	0.0257	1147	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/21/2020 10:17 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.21	-31.86	0.97
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.45
Red	15.31	13.60 - 20.40	N/A	N/A	29.40	29.83	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9659

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments